Original/Duplicate/Triplicate
CONTRACT CERTIFICATE

SBR-24/29 5/18

No. ***Second & Part Bill*** (For Other Works) Date……2018

Division: **BBMP, Byatarayanapura** Sub-Division: **BBMP, Vidyaranyapura**

Bill Received No. Dated Divisional Cash Book Voucher No…….. Dated…….
Sub Divisional **Work Code: 009-16-000052**

Schedule Docket No. Head of Account: **P-3160** **Est.Cost: 468.80 Lakhs** D.R.No. :

Name of Work (as per sanctioned estimate: PACKAGE 3 IMPROVEMENTS TO ROADS AND DRAINS PROVIDING AMMENITIES CONSTRUCTION OF RO WATER PLANT BANGALURU ONE CENTER PROVIDING SODIUM VAPOUR LIGHTS SIGN BOARDS IN WARD NO 9 10 AND 11 BYATARAYANAPURA DIVISION AS PER ANNEXURE GO NO UDD 217 SFC 2016 DATED 28 5 2016 WORKS SL NO FOR WARD NO 9 33 To 34 WARD NO 10 35 TO 38 WARD NO 11 39 TO 48.

Name of Contractor and Full Address: ***Sri. B.B. Umesh, # 385/1, near Anjenaya Temple, Bettahalsur (V) & (P), Bangalore – 562 157.***

Reference to Agreement No. **EE/BTP/BBMP/ E-PMT/01(26619)/WO/50/2017-18** Date: **06.01.2018**

Certified that the measurements were taken by me on 17.5.2018 and recorded of **Pages** 4604, **to** 4614 of measurement Book No. 4247/2017-18 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 17/05 ……and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being ……percent Rs……		
3) " Balance		
4) Deduct Payment:		
a. Amount of previous payment as in the Office Cash Book Voucher No……Dated……S.D. No……. adjusted towards cash advance recovery of	Total Amount Ist & part Bill Amt: IInd & part-	3.59184 48-00 19419284-00 Rs 16499164-00
b. Payments Now made: cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.	IT : Cess : CBF. LR -	32998 3-00 164992-00 16499-00 214489-00
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.	Adju -	725963-00
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.	Cheque:	1.57.73201-00
Total amount adjusted -		

Assistant Executive Engineer
Vidyaranyapura Sub Division.
BBMP, Bangalore - 97

Contractor's Signature

Received Rs…….. (in words)……
……
by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)
16499164-00
725963-00
15773201-00
Rupees One crore fifty seven lakhs seventy three thousand two hundred one only

Witness
1.
2.

Stamp

Dated Signature of Contractor

Paid by me by Cheque No……Dated……
Cash Rs……..
Dated……

Initials of Officer making payment **Executive Engineer**

Sl. No	Description of work	Un	Previo
			Qty
1	KSRRBM300-1.Earthwork excavation by manua lmeans in ordinary soil involving an average horizontal throw upto 2 meters and an average lif tupto 0.5m,excavated surface levelled and sides neately dressed,the disposed earth tobe levelled neatly after breaking of clods completeas per specification. MORTH / Chapter 3 (P.No.142, I.No.19.1 of PW, P&IWTD SR 2016-17)	Cu	1595.22
2	KSRB2-1.1:Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually(otherthan foundation of buildings,culverts,road drains and trenches of pipelines and cables)and removing the excavated stuff to a distance not exceeding 50m and lift upto1.5m,excavated surface levelled and neatly dressed,disposed earth to be levelled after breaking of clods and neatly dressed as per	Cu	0.00
3	Removing &Refixing Stone slabs of drains and Pointing in .M(1:3)(P.No.25,I.No.5.33ofPW,P&IWTD SR 2016-17)	Sqm	3938.3 4918.4
4	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25,I.No.5.31.1ofPW,P&IWTDSR2016-17)	Sqm	0.00
5	KSRRBM200-13.1.Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, woodwork, steelwork, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications. II.By mechanical means,A.Cement concrete Grade M-15&M-	Cum	0.00
6	KSRB4-1.2: Providing and laying in position plain cement concrete of mix1:3:6with OPCcement @220kgs,with40 mm and down size graded granite metal coarse aggregates @0.892 cum and fine aggregates @0.465cum,machine mixed,concrete laid in layers not exceeding15cms.thick,well compacted,in foundation in cluding cost of all materials,labour,HOM of machinery,curing complete as per	Cum	0.00
7	KSRB5.2-3: Providing and constructing granite/trap/basalt size stone masonry in foundation with cement mortar1:6,stone hammerd dressed in courses not less than 20cms high,bond stones at two m.apart in each course including cost of materials, labour,curing complete as per specifications. KBS 5.1.13 (P.No.143, I.No.5.6 of PW,P&IWTD S.R 2016-17)	Cum	0.00
8	KSRB5.3-3: Providing and constructing granite/trap/basalt size stone masonry in basement with cement mortar1:6, edges of stones chistle dressed in courses not less than15cms high,bond stones at two m.apart in each course including cost of materials,labour,curing complete as per specifications. KBS 5.1.13 (P.No.158, I.No.5.9 of PW,P&IWTD SR 2016-17)	Cum	0.00
9	KSRB15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar1:3,20mm deep,after raking joints to depth of 20 mm nicely lining, including cost of materials,labour,curing complete as per specifications. (P.No.161, I.No.15.3 of PW,P&IWTD SR 2016-17)	Sqm	0.00
10	KSRB4-1.6;Providing and laying in position plain cement concrete of mix1:2:4 with cement @240kgs,with 20 mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes@0.459cum,machine mixed, concrete laid in layers not exceeding 15cms.thick,well compacted, in foundation, plinth and cills ,ncluding cost of all materials, labour,HOM of machinery, curing complete as per specifications.Specification	Cum	0.00
11	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6mm welded to gether and fixed in CC(1:2:4)WITH 2 NOS 16mm dia M.S.hold fast rods each of length 25cms.Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineering-charge of the work and including providing 2 coats of approved quality paint	m	0.00
12	Providing chain link fencing 50 mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts&nuts,the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials,labour,lead and lift sand as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (P.No.262 of I.No.37.3 in	Sqm	0.00
13	Providing and fixing M.S.Block pipe of 38mm dia,of heavy guage of 14 including removing the bends,cutting the pipe,and fixing pipe in between the existing two verticle poles(M.S.rectangular poles)and spot welding the chain link with M.S.block pipe including cost of all materials wastage in cutting,and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc.,complete including two coats of approved	m	0.00
14	KSRRBM300-52.2. Scarifying Existing Bituminous surface to a depth of 50mm byMechanical Means.Scarifying the existing bituminous road surface to a depth of 50mm and disposal of scarified material and complete as per specifications.MORTHSpecificationNo.305.4.3(P.No.148, I.No.19.59 of PW,P&IWTD S.R 2016-17)	Sqm	2572. 3900.0
15	KSRRBM300-14. Excavation for road work in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers,trimming bottom and side slopes,in accordance with requirements of lines,grades and cross sections,and transporting to embankment location and complete as per specifications.MORTH Specification No.301(P.No.143,I.No.19.14ofPW,P&IWTD S.R 2016-17)	Cum	1390.
16	KSRRBM400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage'of mixed Material by tipper to site,laying in uniformlay ers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications.MORTH	cum	1994.

Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
Cum	1595.22	319044.00	963.38	200.00	192675.60	2558.60 2615.37	511720 523074.00	
Cum	0.00	0.00	945.00	285.00	269325.00	945.00	269325.00	
Sqm	3938.31 4918.41	330818 413146.44	0.00	84.00	0.00	3938.31 4918.41	330818 413146.00	
Sqm	0.00	0.00	0.00	694.00	0.00	0.00	0.00	
Cum	0.00	0.00	0.00	493.00	0.00	0.00	0.00	
Cum	0.00	0.00	149.44 149.45	5588.00	835071- 835126.60	149.44 35.63	835071- 199073.00	
Cum	0.00	0.00	61.97	4637.00	287354.89	61.97 84.38	287355- 391247.00	
Cum	0.00	0.00	35.36	5543.00	196000.48	35.36 48.80	196000 270512.00	
Sqm	0.00	0.00	157.14	108.00	16971.12	157.14 216.90	16971- 23425.00	
Cum	0.00	0.00	8.61	6026 6062.00	51884.00 52193.82	8.61 10.85	51884 65742.00	
m	0.00	0.00	277.20	907.00	251420.40	277.20	251420.00	
Sqm	0.00	0.00	361.50	729.00	263533.50	361.50	263534.00	
m	0.00	0.00	482.00	358.00	172556.00	482.00	172556.00	
Sqm	2572.30 3900.02	20578 31200.16	0.00	8.00	0.00	2572.30- 3900.02	20578- 31200.00	
Cum	1390.31	225230.22	277.82	162.00	45006.84	1668.13 2272.45	270237- 368136.00	
cum	1994.63	3684081.61	255.59	1847.00	472074.73	2250.22 255.59	4156156- 472078.00	

Sl. No	Description of work	Unit	Pre
17	KSRRBM500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such asWBM WMM including clearing of road surface and praying primer at the rate of 0.60kg l sqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.161, I.No.21.6 of PW,P&IWTD SR 2016-17)	Sqm	892
18	KSRRB500-2:Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatement including cost of all materials, labour,HOM of machineries complete as per specifications.MORTHSpec,Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)	Sqm	2168
19	KSRRBM500-7:Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5Kg per10sqm,heating bitumen in boiler fitted with spray set (excluding cleaning of road surface)including cost of all materials,labour,HOM of machineries complete as per specifications.MORTH/Chapter5(P.No.161I.No.21.7ofPW,P&IWTD SR of 2016-17)	Sqm	3061
20	KSRRBM500-19. Providing and laying bituminous concrete 30-40mm compacted thickness with VG30 Bitumen grade using40-60HMP using crushed aggregates of grading II,premixed with bituminous binder at 5.4%of mix and filler,transporting the hot mix to work site,laying with a mechanical paver finisher to ther equired grade,level and alignment,rolling with smooth wheeled,vibratory and tandemrollers to achieve the desired compaction as per	Cum	122
21	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement,thickness as per design,over a prepared subbase with OPC cement or any other type as per clause1051.2.2 design mixM20/M30,with 25mm and downsizegraded granite metal coarse aggregates and fine aggregtes,with superplastisiser @3ltsconfirmingtoIS9103-1999 Re affirmed-2008,mixed in a concrete mixer of not lessthan	Cum	0.
22	Vaccumde-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.177, I.No.22.7 of PW, P&IWTD SR 2016-17)	Sqm	0.
23	Providing and fixing Precast solid concrete kerb stones made out of CC1:2:4 with top and bottom width 114 and 165mm respectively,400mm high and450mm in length finished with CM1:3 plastering and finishing cutting, including formwork,curing,including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transport at ion etc.,complete(P.No.25, I.No.5.30 of PW,P&IWTD S.R 2016-17)	No	0.
24	KSRRB800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials,labour complete as per specifications.MORTH Chapter 8 (P.No.182, I.No. 24.1 of PW,P&IWTD SR 2016-17	Sqm	0.
25	KSRRBM400-19 :Construction of Median and is land above road level with approved material deposited from borrow pits,spread,sloped and compacted as per Clause400.7 complete as per specifications. MORTH Specification No.407 (P.No158 of I.No.20.20 in PW,P&IWTD SR 2016-17)	Cum	0.
26	KSRB14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers,using cement and courses and for manufacture of blocks of approved size,shape and colour with a minimum compressive strength of 281kg per sqm over 50mm thick sand bed (average thickness)and compacting with plate vibrator having 3tons compaction force there by forcing part of sand under neath to come up in between joints,final compaction	Sqm	0.
27	Providing and fixing M.S.Gate as per Chief Architect Drawing,using 50mmx50mm 14guage M.S.hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mmx6mm and16x16mm Square rods for verticals alternatively spaced at 4cms/cin two halves and 40mmx6mmM.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc.,complete.All the	Sqm	0.
28	KSRRBM800-13. Providing and laying of hot applied thermo plastic compound 2.5mm thick including reflecto rising glass beads at 250gms per sqm area,thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35.The finished surface to be level,uniformand free from streak sand holes complete as per specifications.MORTH Specification No.803.(P.No.185,I.No.24.15 of PW,P&IWTD SR 2016-17)	Sqm	30
29	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump,MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Water in the vicinity, its quality f1.0 meter in consolidated formation for proper seating of casing pipe,depth of drilling	Each BW	0.
30	Sinking borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes,collars and cap with necessary cutting,throading and welding including transportation of rig and supporing vehicles,crew charges and cost of consumables etc.,complete including yield testing at the final depth with a minimum working of compressor for	Rmt	0.
31	Sinking borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes,collars and cap with necessary cutting,throading and welding including transportation of rig and supporing vehicles,crew charges and cost of consumables etc.,complete including yield testing at the final depth with a minimum working of compressor for	Rmt	0.
32	Sinking borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes,collars and cap with necessary cutting,throading and welding including transportation of rig and supporing vehicles,crew charges and cost of consumables etc.,complete including yield testing at the final depth with a minimum working of compressor for	Rmt	0.

Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
Sqm	8927.53	285680.96	1111.27	32.00	35560.58	10038.80	321242.00	
Sqm	21684.61	69390.75	12852.85	3.20	41129.10	34537.46	110520.00	
Sqm	30612.14	397957.82	12846.57	13.00	167005.41	43458.71 43499.53	564963 565494.00	
Cum	1225.17	10258348.41	196.89	8373.00	1648560 1648590.11	1422.06	11906908 11906939.00	
Cum	0.00	0.00	0.00	6496.00	0.00	0.00	0.00	
Sqm	0.00	0.00	0.00	100.00	0.00	0.00	0.00	
No	0.00	0.00	644.00	344.00	221536.00	644 644.44	221536 221689.00	
Sqm	0.00	0.00	101.50	66.00	6699.00	101.50	6699.00	
Cum	0.00	0.00	58.00	218.00	12644.00	58.00	12644.00	
Sqm	0.00	0.00	290.00	1010.00	292900.00	290.00	292900.00	
Sqm	0.00	0.00	22.50	3250.00	73125.00	22.50	73125.00	
Sqm	301.88	170864.08	242.37 394.41	566.00	137181 - 223233.23	544.25 696.29	308046 394097.00	
Each BW	0.00	0.00	6.00	1966.00	11796.00	6.00	11796.00	
Rmtr	0.00	0.00	300.00	320.00	96000.00	300.00	96000.00	
Rmtr	0.00	0.00	300.00	418.00	125400.00	300.00	125400.00	
Rmtr	0.00	0.00	300.00	465.00	139500.00	300.00	139500.00	

Sl. No	Description of work	Unit	Previou Qty
33	Sinking borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes,collars and cap with necessary cutting,throading and welding including transportation of rig and supporing vehicles,crew charges and cost of consumables etc.,complete including yield testing at the final depth with a minimum working of compressor for	Rmtr	0.00
34	Sinking borewell of 165 mm dia clear using superfast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes,collars and cap with necessary cutting,throading and welding including transportation of rig and supporing vehicles,crew charges and cost of consumables etc.,complete including yield testing at the final depth with a minimum working of compressor for	Rmtr	0.00
35	Supply of ISI mark175mm nominal bore,Plain end steel casing pipe-grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS4270:2001 and latest amendments,electric resistance welded steel tube material and confirming to IS1387/1993 and manufactured by base icopen hearth electric or basic oxygen process in random length of 5to7mts both ends threaded confirming to IS554/1985,one end fix ied with socket confirming to	Rmtr	0.00
36	Providing 250mm dia PVC Pipe 6kg/cm SEPRED Approved Rate	Rmtr	0.00
37	Providing and fixing160mm Borewell Cap P.iii,INo. 85	Rmtr	0.00
38	Supply and delivery at site brand New texmo/ innoval/Lubi /Sabar/Atalanta /Calamal/make suitable for vertical installation in150mm dia borewell comprising of single stage or multistage CF pump close coupled by measns of stainless stel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wettype)s quirrel cages ubmersible induction motor suitable for opertation of 3PH.,50Hz,380/440 volts AC	No	0.00
39	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency,induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS554/1986 with latest amendments, pipes threafte sat one end and the other end protected as per specification in random lengths of 4 to7 mtrs Confirming to IS1239 partI/1990 with amendament1-5 and with all	Rmtr	0.00
40	Heavy Duty Collar 50 mm dia	No	0.00
41	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with lowre sitance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin gradePVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto1100Volts as per IS-694:1990 & confirming to GTPof GROUP-A.P.No.12/INo.2.10.4(1)3Cx 6 Sqm mm KPWD Electrical SR	Mtr	0.00
42	Erection of pump set including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supprting clamps,one borewell cap.Cable clips with bolts,nuts,valves guages etc.,involove din the job(Necessary GI pipe and specials with be supplied by the board at the site free of cost)(As per rate approved KUWS&DB for year 2008-09	No	0.00
43	Supplying and fixing 20"x20"x2.5"polished wood board made of not lessthan15mm thick plank on both sides with planks made out of not more than 2pieces and fixing the same to the wall using tpered inverted wooden plugs screws etc.,PNo.44 / I No. 6.6.6 KPWD Electrical SR 2014-15	Each	0.00
44	Supplying of 1.1 KV LTUG cable having aluminum conductor PVC insulated,extruded inner sheathed ,galvanized,steel strip(except 2CX10Sq.mm wire ar moured)confirming to IS-3975:1990 (No.of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-APNo.55/INo.7.4.44 core16Sqmm KPWD Electrical SR 2014-15	Mtr	0.00
45	Labour charges for laying of 1.1KV class UG cable in existing trench GI pipe/stone ware pipe/on wall/ on pole as required.In existing trench /duct.PNo.61/ INo.7.8.16 Sqmm to16 Sqmm) KPWD Electrical SR 2014-15	Mtr	0.00
46	Digging of trench of 0.6m deep x0.50mtr wide refilling the trench to the required ground level and consolidating etc.,complete.(As per Civil SRKSRBI-2,P-7)PNo.61/I.No.7.9.3 KPWD Electrical SR 2014-15	Mtr	0.00
47	Supplying and fixing of class A(mediumduty) GI pipe of wall thickness not less than3.25mm on pole/wall/drain crossing with necessary clamping arrangements forUG cable of 1.1KVP.No.62/INo. 7.12.1 KPWD Electrical SR 2014-15	Mtr	0.00
48	Supplying and fixing L.T.cast Iron pot heads suitable for1.1KVclass UG cable filled with necessary bitumen /insulating compound complete with terminals,clamps,bolts,nutsandwashersetc.,P.No.62/I.No.7.13.2KPWD ElectricalSR2014-15	No	0.00
49	Supplying, fixing, wiring,earth electrode for grounding conduits,I.C.cutouts and other equipment's on the meterboard using 40mm dia 2.90 mm thick GI pipe2.5mtr long buried in a pit...The pits hould be filled with equal proportion of salt and charcoal 150mm all-round the pipe to completed epth.The connection from the pipe to the conduit etc.,is to be established through GI wire of size as per ISIspecification7.3.3.of IS732 using 12mm dia	No	0.00
50	Supplying & fixing of Porcelain fuse channel with cutout on existing wooden /panel using necessary nuts,bolts and washers.PNo.44/INo.6.7.2KPWD Electrical SR 2014-15	No	0.00
51	KSRB13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials,labour and HOM of equipments with all leads complete as per specifications NOKBS 13.2.16/13.13PageNo.93 ItemNo.13.55/PWD SR 2016-17	No	0.00

Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
Rmtr	0.00	0.00	300.00	490.00	147000.00	300.00	147000.00	
Rmtr	0.00	0.00	300.00	568.00	170400.00	300.00	170400.00	
Rmtr	0.00	0.00	300.00	1384.00	415200.00	300.00	415200.00	
Rmtr	0.00	0.00	108.00	787.00	84996.00	108.00	84996.00	
Rmtr	0.00	0.00	6.00	205.00	1230.00	6.00	1230.00	
No	0.00	0.00	6.00	63118.00	378708.00	6.00	378708.00	
Rmtr	0.00	0.00	1500.00	391.00	586500.00	1500.00	586500.00	
No	0.00	0.00	264.00	135.00	35640.00	264.00	35640.00	
Mtr	0.00	0.00	3060.00	200.00	612000.00	3060.00	612000.00	
No	0.00	0.00	6.00	3135.00	18810.00	6.00	18810.00	
Each	0.00	0.00	6.00	315.00	1890.00	6.00	1890.00	
Mtr	0.00	0.00	180.00	146.00	26280.00	180.00	26280.00	
Mtr	0.00	0.00	180.00	11.00	1980.00	180.00	1980.00	
Mtr	0.00	0.00	150.00	89.00	13350.00	150.00	13350.00	
Mtr	0.00	0.00	24.00	360.00	8640.00	24.00	8640.00	
No	0.00	0.00	6.00	292.00	1752.00	6.00	1752.00	
No	0.00	0.00	6.00	2850.00	17100.00	6.00	17100.00	
No	0.00	0.00	36.00	188.00	6768.00	36.00	6768.00	
No	0.00	0.00	6.00	1687.00	10122.00	6.00	10122.00	

Sl. No	Description of work	Unit	Prev Qty
52	Providing NP/CP waste unions conforming to ISI specifications and fixing the min position as per directions including cost of materials,fixtures and convey ance to work spot etc.,complete.P.No.95/ I. No. 13.81.3 PWD SR 2016-7	No	0.0
53	Supplying and fixing 50mm dia GIX nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete	No	0.0
54	Supplying shunt capaitors conforming to IS2834,3 phase 400/440 volts grade for power factor improvement of rotating machinery,Capacitor in KVAR rating Nos.2KVAR capacity with all lead and lift=,loading,unloading and labour charges etc complete as per specifications	No	0.0
55	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve,indicator ON/OFF,energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as per required confirming to IEC60898.5-32Amps TPNP No. 47 / I No.6.16.5 KPWD SR 2014-	No	0.0
56	Fabricating supplying and mounting MS box made out...SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation,provided with hinged front cover,equipped with tamper proof locking arrangements,with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finishd with approved colour enameled metal paint	No	0.0
57	Supplying and delivery at site brand new star/ Essen/ Lotus/ Sun-shines /Adarsh /GK Controls best in digenous make combined energy meter-cum-control panel board unit of size 600x450x200mm minimum mechanically strong vermin and water proof.The unit shall have two detachable doors suitable for operation on 3ph,50Hz,380/440 volts,A.C supply with spring loaded latch, locking device with a key ribs should be provided	No	0.0
58	Earthwork excavation for pipeline trenches including deporiting or bank upto a lead of 50mtrs including shiriry and statting danger lighting and usig site rails and boming poles at every 100 mtrs wherever necessary as directed in the following strructure man hole.PageNo.01/ItemNo.1.2.2/PRED SR 2012-13 Hard Soil	Cum	0.0
59	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring in to trenches,laying true to line,level and perfect linking at joints,leak proof including jointing encasing the pipe alround to a depth Not lessthan 15cm with grave or selected earth avalabile from the execavation Etc.,PageNo.15 item No.3.4.2 b PRED SR 2012-13.	Rmtr	0.0
60	Refilling the basement and pipeline treanches with secleted available earth for trench excavation including authority condition in layers from the di including disponsary of the sunplus earth with a heavy 200mtrs PageNo.3/ItemNo.1.6/PREDSR 2012-13	Cum	0.0
61	KSRB13.6.36: Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwedend) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. SpecificationNo.KBS13.2.6/13.3P. 92 / I.13.37 PWD SR - 2016-17	Each	0.0
62	KSRB2-2.2:Earthwork excavation for foundation of buildings,culverts water supply,sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width,in Hard soil not exceeding 1.5m,in depth including dressing the bottom and sides of pits and trenches,stacking the excavated soil clear from edges of excavation with lead upto 50m,after breaking of clods complete as per specifications,	Cum	0.0
63	KSRB2.14-1:Extra for additional lift of 1.5m.orpart there of for excavation In loose/soft or hard soil including cost of materials,labour complete as per specifications.(Page no -7, item no - 2.21)	Cum	0.0
64	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement@220kgs, with 40mm and downsize graded granite metal coarse aggregates @0.892cum and fine aggregates @465cum machine mixed, machine mixed,concrete laid in layers not exceeding 15cms,thick well compacted, in foundation and plinth, including cost of all material, labour HOM Machinery curing complete as per specification,(Page. No. 12 Item No.	Cum	0.0
65	SRB4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPCcement @180kgs with 40mm and downsize graded granite metal coarse aggregates @0.85cum and fine aggregares@0.57cum machine mixed,concrete laid in layers not,exceeding 15cms,thick,well compacted,in foundation and plinth,including cost of all materials,labour,HOM of machinery,curing complete as per	Cum	0.0
66	KSRB5.3-3: Providing and constructing granite/trap/basalt size stone masonry in basement with cement mortar1:6,edges of stones chistle dressed in courses not lessthan15cms high,bond stones at two m.apart in each course including cost of materials,labour,curing complete as per specifications.KBS5-1.13PageNo.23/Item No. 5.9 / PWD SR 2015-16	Cum	0.0
67	KSRB5.3-3: Providing and constructing granite/trap/basalt size stone masonry in basement with cement mortar1:6,edges of stones chistle dressed in courses not lessthan15cms high,bondstones at two m.apart in each course including cost of materials,labour,curing complete as per specifications.KBS5-1.13PageNo.23/Item No. 5.9 / PWD SR 2015-16	Cum	0.0
68	KSRB2.3: Filling available excavated earth (excluding rock) insides of foundations upto plinth in layers not exceeding 20cms. in depth,compacting each deposited layer by ramming after watering with lead upto 50m.and lift upto1.5m.including cost of all labour complete as per specifications.SpecificationNo.KBS2.9(P.6/I.2.10) PWD SR 2016-17	Cum	0.0

Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
No	0.00	0.00	6.00	242.00	1452.00	6.00	1452.00	
No	0.00	0.00	24.00	84.00	2016.00	24.00	2016.00	
No	0.00	0.00	6.00	365.00	2190.00	6.00	2190.00	
No	0.00	0.00	6.00	1616.00	9696.00	6.00	9696.00	
No	0.00	0.00	131400.00	0.33	43362.00	131400.00	43362.00	
No	0.00	0.00	6.00	11495.00	68970.00	6.00	68970.00	
Cum	0.00	0.00	162.00	196.00	31752.00	162.00	31752.00	
Rmtr	0.00	0.00	360.00	164.00	59040.00	360.00	59040.00	
Cum	0.00	0.00	162.00	63.00	10206.00	162.00	10206.00	
Each	0.00	0.00	12.00	2315.00	27780.00	12.00	27780.00	
Cum	0.00	0.00	213.12	213.00	45394.56	213.12 190.19	45394.56 40510.00	
Cum	0.00	0.00	27.00	230.00	6210.00	27.00 13.52	6210 - 3110.00	
Cum	0.00	0.00	8.49	5695.00	48350.55	8.49 - 5.66	48350 - 32222.00	
Cum	0.00	0.00	40.33	5492.00	221492.36	40.33 40.35	221492 - 221586.00	
Cum	0.00	0.00	33.48	4724.00	158159.52	33.48	158160.00	
Cum	0.00	0.00	15.04	5648.00	84945.92	15.04 15.07	84945 85093.00	
Cum	0.00	0.00	237.58	143.00	33973.94	237.58 206.50	33974 - 29529.00	

Sl. No	Description of work	Unit
69	KSRB5-11: Providing and constructing load bearing wall with solid concrete blocks of size400x200x200mm having block density not less than1800kg/m3 and having aminimum average compressive strength 5.00N/mm2 confirming to IS2185(Part):2005 and constructed with CM1:4,as per IS2572:2005 including cost of all materials, labour charegs,scaffolding, curing complete as per specifications.KBSNo.5.4.PageNo.25/ItemNo.5.27/PWDSR	Sqm
70	KSRB4.2.2: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs,with 20mm and down size graded granite metal,coarse aggregates @0.878cum and fine aggregates@0.459cum with superplastisiser @3lts confirming to IS9103-1999 re affirmed-2008 machine mixed,concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground	Cum
71	KSRB4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs,with 20mm and downsize graded granite metal coarse aggregates @0.69cum and fine aggregates@0.46cum,with superplastisiser @3ltsconfirming to IS9103-1999 Reaffirmed-2008,machine mixed, concrete laid in layers not exceeding15cms thick,vibrated for all worksin ground floor level for roof slabs,stair	Cum
72	KSRB4.2.10: Providing and laying in position reinforced cement concrete of mix M20 with OPC cement @24kgs,with12mm and down size graded granite metal coarse aggregates@0.5175 cum and fineaggregates@0.345 cum with superplastisiser@0.225lts,machine mixed,well compacted for plain chajja of 7.5cms.average thickness,upto ground floor lever,including cost of all materials,labour,HOM of	Sqm
73	KSRB4.9.1:Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending,hooking, placing in position,lapping and/or welding wherever required,tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps,hooks and wastage shall not be measured and paid)cost of materials,labour,HOM of machinery complete as per	MT
74	KSRB4-6.1: Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for foundations,footings, bases of columns for mass concrete including cost of all materials,labour complete as per specificaitons.Specification No. KBS 4.6.2(Page No : 15, item No : 4.28)	Sqm
75	KSRB4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of formwork for vertical surface such as walls at any thickness,including attached pilasters,buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.SpecificationNo.KBS4.6.2(PageNo : 15, item No : 4.31)	Sqm
76	KSRB4-6.5: Providing and removing centering, shuttering, strutting, propping etc.,for columns,pillars,post and struts,square/rectangular/polygon in plan including cost of all materials, labour complete as per specifications.SpecificationNo.KBS4.6.2 (Page No : 16, item No : 4.32)	Sqm
77	KSRB4-6.2: Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for suspended floors, landings, balconies and likes,thickness upto 200mm including cost of all materials, labour complete as per specificaitons upto3.50 m from ground level.Specification No.KBS4.6.2(PageNo:15, item No : 4.18)	Sqm
78	KSRB4-6.7: Providing and removing centering, shuttering, strutting, propping etc.,and removal of formwork for sides and soffits of beams,beam haunchings,cantilever girders,bress umers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.SpecificationNo.KBS4.6.2(Page No : 16, item No : 4.34)	Sqm
79	KSRB4-6.10: Providing and removing centering, shuttering, strutting, propping etc.,for chajjas,corbelsetc.,including edges including cost of all materials,labour complete as per specifications.SpecificationNOKBS4.6.2PageNo.16/ItemNo. 4.37 / PWD SR 2016-17	Sqm
80	KSRB15-3-13: Providing 12mm thick cement plaster in single coat with cement mortar1:3,to ceiling including rounding off corners wherever required smooth rendering,:Providing and removing scaffolding,including cost of materials,labour,curing complete as per specifications..(Page No.114, Item No.15.21)	Sqm
81	KSRB15.3.11: Providing 20mm thick cement plaster in single coat with cement mortar1:4,to stone masonry including rounding off corners wherever required smooth rendering,:Providing and removing scaffolding, including cost of materials,labour,curing complete as per specifications.PageNo.114/ItemNo.15.19/PWD SR 2016-17 (Inside wall)	Sqm
82	KSRB15-3.10: Providing 20mm thick cement plaster in single coat with cement mortar 1:6,to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,:Providing and removing scaffolding, including cost of materials,labour,curing complete as per specifications.(PageNo:114,itemNo : 15.20)	Sqm
83	KSRB15.3.2 Providing 12mm thick cement plaster in single coat with cement mortar1:4,to brick masonry including rounding off corners wherever required smooth rendering,:Providing and removing scaffolding, including cost of materials,labour,curing complete as per specifications..(Page No.113, Item No.15.10)	Sqm
84	KSRB15.10.2 Providing white washing for every one additional coat with lime of approved quality,to give an even shade including cost of materials,labour,complete as per specifications. (Page No. 115, Item No. 15.39)	Sqm

Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
Sqm	0.00	0.00	603.98	1056.00	637802.88	603.98 513.69	637803 542457.00	
Cum	0.00	0.00	77.10	6783.00	522969.30	77.10 48.56	522969 - 329408.00	
Cum	0.00	0.00	31.16	6950.00	216562.00	31.16 20.78	216562 - 144397.00	
Sqm	0.00	0.00	42.38 42.48	514.00	21783 - 21834.72	42.38 28.26	21783 - 14526.00	
MT	0.00	0.00	12.85	78460.00	1008211.00	12.85 10.54	1008211 - 827133.00	
Sqm	0.00	0.00	51.84	260.00	13478.40	51.84 - 34.56	13478 - 8986.00	
Sqm	0.00	0.00	400.54	330.00	132178.20	400.54 384.54	132178 - 126898.00	
Sqm	0.00	0.00	129.36	412.00	53296.32	129.36 86.24	53296 35531.00	
Sqm	0.00	0.00	142.84	353.00	50422.52	142.84 95.23	50423 - 33616.00	
Sqm	0.00	0.00	120.69 120.70	288.00	34759 - 34761.60	120.69 80.46	34759 23172.00	
Sqm	0.00	0.00	46.44	305.00	14164.20	46.44 36.36	14164 11090.00	
Sqm	0.00	0.00	241.84	217.00	52479.28	217.00 199.77	52479 43350.00	
Sqm	0.00	0.00	264.72	263.00	69621.36	264.72 - 264.72	69621.00	
Sqm	0.00	0.00	280.40	235.00	65894.00	280.40 186.93	65894 43929.00	
Sqm	0.00	0.00	225.90	186.00	42017.40	225.90 150.60	42017 28012.00	
Sqm	0.00	0.00	225.90	5.00	1129.50	225.90 150.60	1129.50 753.00	

Sl. No	Description of work	Unit
85	KSRB15.10.4 Providing white washing to ceiling and/or sloping roof surface with additional one coat with lime of approved quality,to give an even shade in cluding cost of materials,labour,complete as per specifications.(PageNo.115,ItemNo.15.41)	Sqm
86	KSRB15-7:Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (P.115/I.15.33PWDSR-2016-17).	Sqm
87	KSRB15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6,to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials,labour,curing complete as per specifications Page No.114/ItemNo.15.17/PWD SR 2016-17 (Out side Wall)	Sqm
88	KSRB15-14.1: Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper pimer after thoroughly brooming the surface free from mortar drops and other foregn matter including preparing the surface even and sand papers mooth cost of materials ,labours,complete as per specifications PWD SR 2016-17 (P.117 /I. 15.49.1)	Sqm
89	KSRB15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooing the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials,labour,complete as per specifications. - with primer. (P. No. 118, I.No. 15.53.2).	Sqm
90	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even approved shade after throuughly brushing the surface,free from mortar drops and other foreign matter, including priming,including preparing the surface even and sand paper smooth,cost of materials,labour,complete as per specifications,with primer. (Page No : 117, item No :15.51.2)For internal walls.	Sqm
91	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even approved shade after throuughly brushing the surface,free from mortar drops and other foreign matter,including priming,including preparing the surface even and sand paper smooth,cost of materials,labour,complete as per specifications,with primer. (Page No : 117, item No :15.51. 2 & 3) for ceiling	Sqm
92	Providing vitrified tiles 60x60cms of approved make,shade and size for flooring laid on a bed of 12mm thick cement mortar1:3mix,flush pointing with white cement using colour pigment,including cost of materials,labour,curing complete as per specification. (Page No : 107, item No :14.45)	Sqm
93	KSRB14-17.2: Providing skirting, dado, rises of steps with colour glazed tiles on10mm thick cement plaster1:3 and jointed with white cement slurry over rough plaster surface(excluding costo frough plastered surface which should be measured and paid separately)using glazed tiles of approved make and size including cost of materials, labour,complete as per specifications. SpecificationNo.KBS14.16,14.17-Colour glazed tiles	Sqm
94	KSRB9.4-2: Providing Honne wood frames of doors, windows, clere story windows,ventilators and other frames,wrought,framed or assembled including making plaster groves(excluding cost of cement concrete and side clamps),but including cost of materials,labour,HOM of machineries complete as per specifications.SpecificationNo. KBS 9.33 (Page No : 51, item No :9.11)	Cum
95	KSRB9.5-2:Providing and fixing in position fully panelled Honne wood shutters for doors,styles and rails of 40mm.thick with bottom and lockrails180mm wide top rail and styles100mm wide as per drawing and panels of 25mm thick in cluding cost of materials,labour,HOM of machineries complete as per specifications.(excluding cost of fixtures) Specification No. KBS 9.34 (Page No : 51, item No :9.15)	Sqm
96	KSRB7.9: Providing and fixing.S.gill work for windows and ventilators using M.S.flats,or M.S.square rods,or combination of M.S.flats and square rods as per approved design,drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer,cost of materials,fixtures,labour and HOM of machinery complete as per specifications. SpecificationNo.KBS7.12.(Page No : 32, item No :7.9)	Kgs
97	KSRB7.10:Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame setion of size 61.85x31.75mm.with1.2mmthick,bottom section weight 0.695kg/m,side sand top sections1.3mm.thick weight 0.659kg/m;and shutter comprising top and bottom section of size40mmx18mm,1.25mmthick0.417kg./m;shutter outer side40mmx18mm,1.25mm.thick weight	Sqm
98	KSRB15-17.4:Applying priming coat over new wood surface and/or wood based surface,after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil,grease,dirt and foreign matter,sand papering and knotting ready mix paint including cost of materials,labour,complete as per specifications.(Page. No. 118 Item No. 15.58)	Sqm
99	Providing and applying painting two coats (excluding priming coat)on new wood surface and/or wood based surface with enamel paint to given even shade,cleaning the surface of all dirt,dust and foreign matter,sand papering including cost of materials,labour,complete as per specifications.(Page.No.118ItemNo.15.60.1)	Sqm
100	KSRB15-18.2: Providing and applying enamel metal paint two coats (excluding priming coat)over new steel or other metal surface brushing to given even shade after cleaning oil,grease,dirt and other foreign matter,including cost of materials,labour,complete as per specifications.Page No. 121 / Item No. 15.74 / PWD SR 2016-17	Sqm

Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
Sqm	0.00	0.00	126.22	5.00	631.10	126.22 84.15	631 421.00	
Sqm	0.00	0.00	380.34	29.00	11029.86	380.34 253.56	11029.86 7353.00	
Sqm	0.00	0.00	345.36	222.00	76669.92	345.36	76670.00	
Sqm	0.00	0.00	645.06	79.00	50959.74	645.06	50960.00	
Sqm	0.00	0.00	625.75	95.00	59446.25	625.75 532.29	59446.00 50568.00	
Sqm	0.00	0.00	225.90	102.00	23041.80	225.90 150.60	23042 – 15361.00	
Sqm	0.00	0.00	126.22	105.00	13253.10	126.22 84.15	13253 8836.00	
Sqm	0.00	0.00	0.00	1254.00	0.00	50.00	62700.00	
Sqm	0.00	0.00	0.00	1674.00	0.00	5.02	8403.00	
Cum	0.00	0.00	0.00	116081.00	0.00	0.23	26118.00	
Sqm	0.00	0.00	0.00	5239.00	0.00	6.30	33006.00	
Kgs	0.00	0.00	0.00	88.00	0.00	483.84	42578.00	
Sqm	0.00	0.00	0.00	4308.00	0.00	23.04	99256.00	
Sqm	0.00	0.00	0.00	35.00	0.00	6.30	221.00	
Sqm	0.00	0.00	0.00	95.00	0.00	6.30	599.00	
Sqm	0.00	0.00	210.32 210.35	93.00	19560 19562.55	210.32 187.68	19560 – 17454.00	

Sl. No	Description of work	Unit
101	Providing and fixing Special make glazed Vitrified tiles (Granomite finis)of approved make,quality and colour of sized 6000x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc.,complete including providing spears at required interval and removing stains etc.,complete.PageNo.107/ItemNo.14.43 / PWD SR 2016-17	Sqm
102	Providing and laying/fixing cement base,pre cast pre polished cement concrete,design er tiles 25 mm thick conforming to IS 1237 heavy duty tiles for flooring reads of steps of steps and land in,laid on a bed of 12mm thick cement mortar 1:3 m is finished with flush pointing using white cement ,including cost of material,s including cutting,griding the edge ti half/ful rounf wherever require slab our,curing complete as per specification	Sqm
103	KSRB7.7:Providing and fixing in position incement concrete 1:3:6steel glazed windows and ventilators side hung/top hung fully open able as per approved drawings using Z angles of 25x33x3mm,weighing1.419Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm weighing 2.28Kg/m duly providing T section19x19x3mm weighing 0.839kg/m for glazing of windows not more than 34 cms.c to c including providing	Sqm
104	KSRB: 7.5 Providing and fixing pull and push type rolling shutters of approved make out of 18 guage,75mm wide cold rolled steel laths of convex corrugation,with side guides and bottom rail,with interlocking arrangements for steel laths by means of alternate clips,suspensions haft with High tension coil type springs two numbers,mounted on specially designed pipe shaft,with bracket plates,guide channels,ball bearing	Sqm
105	Providing revsrse osmosis system to cover 2000 Liters of High TDS water per hour	No
106	Supplying and wiring adopting loop system in existing PVC Conduit/casing cap ping using 1100Vgrade,COPPER conductor flexible multi strand FRL SPVC insulated,2X1.5Sq.mm Cable confirming to the GTP,with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box,the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block.complete for each out	Point
107	Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using1100Vgrade,COPPER conductor flexible multi strand FRL SPVC insulated ,2X1.5Sq.mm Cable confirming to the GTP,with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box,the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block.complete for each	Point
108	Supplying and flush mounting teak wooden box without front plank,made of not less than12mm thick wood,after due groove cutting,Finishing with necessary cement plastering complete(PageNo.03, Item No. 1.6) KPWD SR 2014-15	Each
109	Supplying and flush mounting teak wooden box without front plank,made of not less than 12mm thick wood, after due groove cutting,Finishing with necessary cement plastering complete (PageNo.03, Item No. 1.6) KPWD SR 2014-15	Each
110	Supplying and flush mounting teak wooden box without front plank,made of not less than12mm thick wood,after due groove cutting,Finishing with necessary cement plastering complete(PageNo.03, Item No. 1.6) KPWD SR 2014-15	Each
111	Supplying 4 mm thick plastic sheet with necessary nitches for fixing switches,regulators etc.,and fixing on existing wooden or metal box using N.F.screws .(PageNo.17,ItemNo.3.9)KPWDSR2014-15	Sqcm
112	Extra for Groove cutting in brick wall/ CC floor to the suitable depth for concealing of Conduit/ GI pipe and plastering,finishing upto wall surface complete.upto 50mm conduit in brick wall(PageNo. 03, Item No.1.7.1) KPWD S.R 2014-15	Mtr
113	Supplying heavy gauge PVC Conduit Pipe19/20 mm dia 2mm thick with suitable size bends,metal junction boxes adhesive paste etc.,by groove cutting in the wall and fixing by bracingUorJ hooks and cement plastering up to the wall surface and run with18SWG GI fish wire run throughout the conduit wherever necessary.(PageNo. 02, Item No. 1.3.1) KPWD SR 2014-15	Mtr
114	Supplying and fixing PBBC/Bake lite straight or slant batten holder and wiring with 60w/230 volts lamps.(PageNo.20,ItemNo.4.2) KPWD SR 2014-15	Each
115	Supplying patti type fluorescent tube light fitting of 2'-suitable for 14watts fluorescent tube fitting,made out of M.S.Sheet and stove enameled with HF Electronic Ballast, locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC.Supply including T 5 lamp.(PageNo.20,ItemNo.4.5)KPWD SR 2014-15	Each
116	Wiring for lighting /power circuit using one of FRL SPVC insulated 1100 V grade,multi strand Copper with low conductor resistances in glecore wire in open or concealed system of wiring with specified IS-694:1990& confirming to GTPofGROUP-A1.5 sqmm (PageNo.06,ItemNo.2.5.2)KPWDSR 2014-15	Mtr
117	Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard,glass cover with 60/100watts230 V GLS lamp.(Page No. 20, Item No. 4.3) KPWD SR 2014-15	Each
118	Supplying, fixing, wiring,earth electrode for grounding conduits,I.C.cut outs and other equipment's on the meter board using 40mm dia2.90mm thick GI pipe2.5mtr long buried in a pit...The pits hould be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth.The connection from the pipe to the conduit etc.,is to be established through GI wire of size as per ISI specification7.3.3.of IS732 using12 mm dia	No

Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
Sqm	0.00	0.00	246.57	1342.00	330896.94	246.57	330897.00	
Sqm	0.00	0.00	27.00	1223.00	33021.00	27.00	33021.00	
Sqm	0.00	0.00	6.48	3983.00	25809.84	6.48	25810.00	
Sqm	0.00	0.00	45.00	3230.00	145350.00	45.00	145350.00	
No	0.00	0.00	6.00	538175.00	3229050.00	6.00	3229050.00	
Point	0.00	0.00	12.00	254.00	3048.00	12.00	3048.00	
Point	0.00	0.00	12.00	380.00	4560.00	12.00	4560.00	
Each	0.00	0.00	72.00	71.00	5112.00	72.00	5112.00	
Each	0.00	0.00	36.00	121.00	4356.00	36.00	4356.00	
Each	0.00	0.00	36.00	90.00	3240.00	36.00	3240.00	
Sqcm	0.00	0.00	39999.96	0.25	9999.99	39999.96	10000.00	
Mtr	0.00	0.00	60.00	22.00	1320.00	60.00	1320.00	
Mtr	0.00	0.00	60.00	58.00	3480.00	60.00	3480.00	
Each	0.00	0.00	12.00	91.00	1092.00	12.00	1092.00	
Each	0.00	0.00	24.00	617.00	14808.00	24.00	14808.00	
Mtr	0.00	0.00	30.00	19.00	570.00	30.00	570.00	
Each	0.00	0.00	24.00	780.00	18720.00	24.00	18720.00	
No	0.00	0.00	6.00	2850.00	17100.00	6.00	17100.00	

Sl. No	Description of work	Unit
119	LED Street light.Supply of LED Street light with pressured ie cast aluminum housing body with optimal heats in k for better thermal dissipation.Diffuser with Injection moulded & is made of polycarbonate material with high transmission index ,delivering superior light out put.Rated life Burning Hrs 50000hr@Lumen Maintenance of 70%.CCT>5500K,IP66 optical and electrical compartment & impact resistance of complete	Each
120	Supplying and Fixing of.....mm dia class A GI pipe bracket upto 2mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole/wall using suitable clamps,bolts,and nuts and wiring using suitable capacity wires. Using 32mm dia	Each
121	Wiring for lighting/power circuit using one of PVC insulated 1100 v grade stranded Aluminium unsheathed wire single core/multi core cable in open or	Each
122	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 &	Per Mtr
123	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.25 sqmm	Per Mtr
124	Thirister based single/Three phase smart street light control and Control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load	Each
125	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes25 sqmm Long barrel with all lead and lift loading and uploading and all other incidental cherges etc., complete as per specifiaction and direction of the engineer in charge of the work	Each
	Total Amount	

Certificate

1 The above work has been Completed satisfactorily

Unit	Previous Measurement		Present Measurement			Total UP-to-date		Rmks
	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
Each	108.00	2112696.00	0.00	19562.00	0.00	108.00	2112696.00	
Each	171.00	159543.00	0.00	933.00	0.00	171.00	159543.00	
Each	600.00	4800.00	0.00	8.00	0.00	600.00	4800.00	
Per Mtr	160.00	27680.00	0.00	173.00	0.00	160.00	27680.00	
Per Mtr	160.00	5760.00	0.00	36.00	0.00	160.00	5760.00	
Each	25.00	1345425.00	0.00	53817.00	0.00	25.00	1345425.00	
Each	66.00	1386.00	0.00	21.00	0.00	66.00	1386.00	
		19512234.45			16585665.03		36097899.48	

Rs -1,94,19,284-00

Rs-1,64,99,164-00

Rs-3,59,18,448-00

AE-II

AE-9

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97